

ABSTRACT

A Dual Channel Universal Serial Bus (DCUSB) structure compatible with USB 1.0, USB 1.1 or USB 2.0 protocols for higher data transmission rate comprising of two data transmission channels each with two differential signals, a interface
5 controller with data conversion and transmission functions; the interface controller further consists at least one Differential receiver and one current driver, the Differential receiver and the current driver connect to differential signals of interface channels through proper circuitry.